

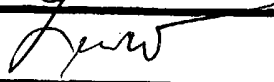
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: November 19, 2003 (use as many sheets as necessary)				Application Number	Unassigned
				Filing Date	11/19/2003
				First Named Inventor	John Jorstad
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
Sheet	1	of	1	Attorney Docket Number	036390-0102

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
✓	A1	2003/0196775	A1	KAMM ET AL.	04/24/2003	
	A2	2003/0141033	A1	KAMM ET AL.	01/31/2002	
	A3	5,979,534		SHIBATA ET AL.	11/09/1999	
	A4	3,936,298		MEHRABIAN ET AL.	02/03/1976	
	A5	3,948,650		FLEMINGS ET AL.	04/06/1976	
	A6	3,951,651		MEHRABIAN ET AL.	04/20/1976	
	A7	3,954,455		FLEMINGS ET AL.	05/04/1976	
	A8	4,116,423		BENNETT	09/26/1978	
	A9	4,397,687		BYE	08/09/1983	
	A10	4,473,103		KENNEY ET AL.	09/25/1984	
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Examiner Initials*	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴				

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
✓	A12	SAHA ET AL., "Semi-Solid (SSM) Processing of Al-Si Alloys Utilizing the Concept of Diffusion Solidification," <i>Proceedings of Die Casting in the Heartland</i> , September 14 - 19, 2003, pp. 129-134.	
✓	A13	YURKO ET AL., "Commercial Development of the Semi-Solid Rheocasting (SSR™)," <i>Proceedings of Die Casting in the Heartland</i> , September 14 - 19, 2003, pp. 379-384.	
✓	A14	Presentation by Diran Apelian and John Jorstad at Worcester Polytechnic Institute during Summer 2003.	

Examiner Signature		Date Considered	11/14/04
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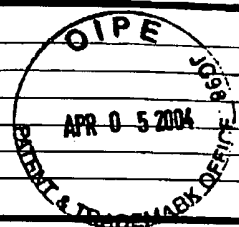
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: April 5, 2004 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/715,362
				Filing Date	11/19/2003
				First Named Inventor	John Jorstad
				Group Art Unit	Unassigned
				Examiner Name	Unassigned
				Attorney Docket Number	036390-0102
Sheet	1	of	1		



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	B15	2004/0055724	A1	Saha, et al	3/25/04	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				

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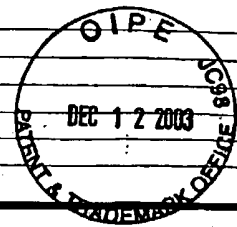
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: December 12, 2003 (use as many sheets as necessary)		Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td>10/715,362</td> </tr> <tr> <td>Filing Date</td> <td>11/19/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>John Jorstad</td> </tr> <tr> <td>Group Art Unit</td> <td>Unassigned</td> </tr> <tr> <td>Examiner Name</td> <td>Unassigned</td> </tr> <tr> <td>Attorney Docket Number</td> <td>036390-0102</td> </tr> </table>		Application Number	10/715,362	Filing Date	11/19/2003	First Named Inventor	John Jorstad	Group Art Unit	Unassigned	Examiner Name	Unassigned	Attorney Docket Number	036390-0102
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		Number	Kind Code ² (if known)			
	B1	4,434,837		Winter et al	3/1984	
	B2	5,161,601		Abis et al	11/1992	
	B3	5,579,825		Shibata et al	12/1996	
	B4	5,660,223		Thieman et al	8/1997	
	B5	5,701,942		Adachi et al	12/1997	
	B6	5,730,201		Rollin et al	3/1998	
	B7	6,068,043		Clark	5/2000	
	B8	6,165,411		Adachi et al	12/2000	
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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
	B10		W0-99/00203-A1		01/1999	Shibata et al		Y
	B11		EP-0 554 808 A1		8/1993	Wan		Y
	B12		DE 4232742 A1		3/1994	Glanz		Y

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	B13	John L. Jorstad, Science and Technology of Semi-Solid Metal Processing, Chapter 4, "Processing of SMM:" Practical Considerations"	Y
	B14	Formation of Spherical Solid Phase in Die Casting Shot Sleeve Without Any Agitation, Proceedings 5 th International Conference on Semi-Solid Processing of Alloys and Composites – R. Shibata, T. Kaneuchi, T. Souda, and H. Yamane, June 1998	Y

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